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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/770,358	02/02/2004	Ronald S. Karr	VRT0133U/S	7650
60429	7590	10/10/2008	EXAMINER	
CAMPBELL STEPHENSON LLP			YU, JAE UN	
11401 CENTURY OAKS TERRACE				
BLDG. H, SUITE 250			ART UNIT	PAPER NUMBER
AUSTIN, TX 78758			2185	
MAIL DATE		DELIVERY MODE		
10/10/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Advisory Action  
Before the Filing of an Appeal Brief**

**Application No.**

10/770,358

**Examiner**

JAE U. YU

**Applicant(s)**

KARR ET AL.

**Art Unit**

2185

**—The MAILING DATE of this communication appears on the cover sheet with the correspondence address —**

THE REPLY FILED 23 September 2008 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1.  The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a)  The period for reply expires 3 months from the mailing date of the final rejection.  
 b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  
 Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2.  The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3.  The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
 (a)  They raise new issues that would require further consideration and/or search (see NOTE below);  
 (b)  They raise the issue of new matter (see NOTE below);  
 (c)  They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
 (d)  They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4.  The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.

6.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_

Claim(s) objected to: \_\_\_\_\_

Claim(s) rejected: 1-6, 8-17 and 19-22

Claim(s) withdrawn from consideration: \_\_\_\_\_

**AFFIDAVIT OR OTHER EVIDENCE**

8.  The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9.  The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fail to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10.  The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11.  The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet

12.  Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). \_\_\_\_\_

13.  Other: \_\_\_\_\_

/Sanjiv Shah/  
 Supervisory Patent Examiner, Art Unit 2185

Continuation of 11. does NOT place the application in condition for allowance because: Regarding claims 1, 6, 12 and 17, the applicant argues that Blea fails to teach the limitations recited in the claims. Specifically, the applicant argues regarding the mapping between the items disclosed in the cited prior art and the claimed "first storage object" and the "second storage object". The "virtual volumes" in Figure 2 correspond to the claimed "storage objects", wherein the "virtual volume A 32" and the "virtual volume B 34" correspond to the "first storage object" and the "second storage object" respectively. Further, the "RAIDs" correspond to the claimed physical memory regions associated with the storage objects, wherein the "RAID 18" corresponds to the claimed "first physical memory regions", and the "RAID 20" corresponds to the claimed "snapshot copy". Since each "RAID" is associated with a corresponding "Virtual Volume", Blea clearly teaches the "first and second storage objects" ("Virtual Volumes") each associated with the "physical memory regions" ("RAID"), wherein the "Virtual Volume B 34" and its associated RAID is a snapshot copy of the "Virtual Volume A 32" and its associated RAID.

The applicant further argues that Blea fails to teach the "data identifying the second storage object as a snapshot copy of the first storage object". However, as stated in the above paragraph, the "Virtual Volume B 34" is a snapshot copy of the "Virtual Volume A 32", wherein the original and the copy are physically stored in the corresponding "RAID". Since Blea identifies such relationship between the virtual volumes and its associated physical RAIDs, Blea clearly anticipates the claimed limitation.